AMENDMENTS TO THE CLAIMS

1	1. (Currently amended) A dipole antenna, comprising:
2	a substrate, made of a dielectric material, wherein said substrate has a first surface
3	and a second surface which is essentially parallel to said first surface;
4	a first radiator, formed on said first surface;
5	a second radiator, formed on a portion of said second surface, wherein said portion
6	of said second surface is not overlapped with an area of said second surface on which said
7	first radiator is projected;
8	a first feeding point, installed on one end of said first radiator near said second
9	radiator; and
10	a second feeding point, installed on the area of said first surface adjacent to said
11	first feeding point, wherein said second feeding point is electrically connected to said
12	second radiator <u>, wherein</u>
13	said substrate comprises at least one first metallic layer aligned with said first
14	radiator; and at least one second metallic layer aligned with said second radiator, and said
15	second metallic layer is electrically connected to said second radiator.
1	2. (Original) The dipole antenna of claim 1, wherein said substrate is a printed circuit
2	board.
1	3. (Original) The dipole antenna of claim 2, wherein said first radiator and said

second radiator are printed on said printed circuit board.

2

4. (Original) The dipole antenna of claim 1, wherein said first radiator is essentially 1 2 identical to said second radiator in geometrical shape. 5. (Original) The dipole antenna of claim 1, wherein said first radiator and said 1 2 second radiator are essentially rectangular. 6. (Original) The dipole antenna of claim 1, wherein said first radiator and said 1 2 second radiator are skew-symmetrical to each other on said substrate. 7. (Canceled) 1 8. (Currently amended) The dipole antenna of claim 7, wherein said substrate is a 2 multi-layered structure containing said first metallic layer and said second metallic layer are multi-layered structures respectively. 3 1 9. (Currently amended) The dipole antenna of claim 7 claim 1, wherein said second feeding point, said second metallic layer and said second radiator are electrically 2 connected by means of a via. 3 10. (Currently amended) The dipole antenna of claim 7 claim 1, wherein said substrate is a multi-layered printed circuit board. 2

ı	11. (Currently amended) A dipole antenna, comprising.
2	a substrate, made of a dielectric material, wherein said substrate has a first surface
3	and a second surface which is essentially parallel to said first surface, said substrate
4	comprising:
5	at least one first metallic layer, which is aligned with corresponding to said
6	<u>a</u> first radiator in layout ; and
7	at least one second metallic layer, which is aligned with corresponding to the
8	<u>a</u> second radiator in layout , and said second metallic layer is electrically connected to said
9	second radiator;
10	a said first radiator, is formed on said first surface;
11	a said second radiator, is formed on a portion of said second surface, wherein said
12	portion of said second surface is not overlapped with an area of said second surface on
13	which said first radiator is projected;
14	a first feeding point, installed on one end of said first radiator near said second
15	radiator; and
16	a second feeding point, installed on an area of said first surface adjacent to said first
17	feeding point, wherein said second feeding point is electrically connected to said second
18	radiator.
1	12. (Original) The dipole antenna of claim 11, wherein said substrate is a printed
2	circuit board.
1	13. (Original) The dipole antenna of claim 12, wherein said first radiator and said

second radiator are printed on said printed circuit board. 2 14. (Original) The dipole antenna of claim 11, wherein said first radiator is 1 essentially identical to said second radiator in geometrical shape. 2 15. (Original) The dipole antenna of claim 11, wherein said first radiator and said 1 second radiator are essentially rectangles. 2 16. (Original) The dipole antenna of claim 11, wherein said first radiator and said 1 2 second radiator are skew-symmetrical to each other in said substrate. 17. (Currently amended) The dipole antenna of claim 11, wherein said substrate is 1 a multi-layered structure containing said first metallic layer and said second metallic layer 2 3 are multi-layered structures respectively. 1 18. (Original) The dipole antenna of claim 11, wherein said second feeding point, 2 said second metallic layer and said second radiator are electrically connected by means 3 of a via. 19. (Original) The dipole antenna of claim 11, wherein said substrate is a 1 multi-layered printed circuit board. 2